I.08

BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for: Reconstruction of culverts in ward no 18

Est Cost:15,00,000.00

Sl No	Description of work	No	Dimensions L	B	D	Quantity	Rate	Unit	Amount
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clodsincluding loading & unloading, cost of labour Conveying the excavated earth to distance of upto 10kms including loading and unloading charges (P-126 I No. 19.10) With Conveying								
		~~32~~ 18	7.00	0.60	0.65	~~49.14~~ 87.36			
		36	50.00	0.60	0.60	648.00			
					Total	~~697.14~~	150.98	Cum	105254.00
	Basic Rate	54.00				135.30			
		87.80							
	Total	141.80							
	Area Weightage @ 8%	11.34							
	Total	**153.14**							
2	Removing B.S. Slab drain and stacking, Refixing stone slabs of drains and pointing in C.M. (1:3) (P-24 I No. 5.32 & 5.33)								
		~~32~~ 18	7.00	1.80		226.80			
		36	46.00	1.35		2235.60			
					Total	~~2462.40~~	94.06	Sqm	231613.00
	Basic Rate	41.18				266.30			
		58.33							
	Total	99.51							
	Area Weightage @ 8%	6.96							
	Total	**106.47**							
3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications (P 145 I.No.18.17)								
		32 36	7.00	0.60	0.40	60.48			
					Total	60.48	222.48	Cum	13456.00
	Basic Rate	213.00				68.40			
	Area Weightage @ 8%	17.04							
	Total	**230.04**							
4	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and aboe in width, in hard soil not exceeding 1.5m in depth including dressin ghe bottom from edges of excavation with lead upto 50m after breaking of clods specification and conveying the excavated earth using mechanical transport including all lead and lift, loading and unloading to a distance of 10 kms (P-5 I No. 2.4)With conveying of the excavated earth.								
		32 18	7.00	1.80	0.70	207.90			
					Total	207.90	289.22	Cum	60129.00
	Basic Rate	187.00	171.00			235.13	279.50		
	Loading & unloading	87.80							
	Total	274.80	258.8						
	Area Weightage @ 8%	21.98	20.70						

	Total	296.78	279.50						
	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth, including cost of all materials,labour , HOM of machinary, curing complete as per specification (P 12 I.No.4.3)								
		32 18	7.00	2.20	0.15	41.58			
				1.40	Total	41.58	3884.76	Cum	161528.00
	Basic Rate	3597.00				44.55			
	Total	3597.00							
	Area Weightage @ 8%	287.76							
	Total	3884.76							
6	Providing and Constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 22, Item No. 5.9)With available stones								
		40.38x60%				36.29			
					Total	36.29	2324.70	Cum	84359.00
	Basic Rate	2985.00				41.04			
	(-)	832.50							
	Total	2152.50							
	Area Weightage @ 8%	172.20							
	Total	2324.70							
7	Providing and Constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 22, Item No. 5.9)								
		36	7.00	0.60	0.80	120.96	136.77		
	Deduction	32				36.29	41.04		
					Total	84.67	3223.80	Cum	272966.00
	Basic Rate	2985.00				95.76			
		2985.00							
	Area Weightage @ 8%	238.80							
	Total	3223.80							
8	Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum machine mixed, Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth & Cills, including cost of all materials,labour , HOM of machinary, curing complete as per specification .(P-12 I.No.4.6)								
		32 36	7.00	0.60	0.10	15.12	20.16		
		18	7.00	0.60	0.10	7.56			
		32 36	7.00	0.40	0.10	10.08	9.86		
					Total	32.76	4664.52	Cum	152810.00
	Basic Rate	4083.00				37.05			
	Total	4083.00							
	Area Weightage @ 8%	326.64							
	Total	4409.64							

Administrative Sanctioned for Rs. 15,00,000/-

(Rs. Fifteen lakhs Only)

is accorded under head. P.O.W. 2012-13.

P-1771

Registered as Sl. No. 552 Page No. 164.

Subject to conditions contained in enclosed memo.

No. SE(E)/AS/552/12-13 Dt. 17/1/2013

SE TA (E) ~~S.E/C.E~~/J.C.(E)

	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page no.97, I No. 15.3)								
		32 36	7.00	0.80		201.60			
					Total	201.60	71.60	Sqm	14435.00
	Basic Rate	66.30				238.00			
		66.30							
	Area Weightage @ 8%	5.30							
	Total	71.60							
10	Providing & Laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm (M-20) and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutment, pillars, posts, struts, buttresses, string or lacing course, parapets, copying, bed blocks, anchor blocks, plain windown cills, fillets etc., complete as per specifications labour HOM of machinery, curing, including cost of providing and fabricating HYSD steel 12mm tor at 15cms c/c (main) and 10mm tor at 20cms c/c (Distribution) & Providing and removing centring and shuttering et., complete as per specifications for 23cms thick drain covering slab etc., complete as per specifications and direction of the Engineer-in-Charge. 139.50								
		10	7.00	1.80		~~126.00~~			
					Total	~~126.00~~	3196.00	Sqm	402696.00
11	Misc and unforeseen charges						210.2.12		754.00
								Grand Total	1500000.00

mchr
Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2012-13

Assistant Engineer
Ward No. 18

Assistant Executive Engineer
Hebbal Sub-Division
BBMP

Executive Engineer
Hebbal Division
BBMP

TECHNICALLY SANCTIONED FOR
Rs. 15.00 lakhs Fifteen lakhs only.
Under P.1771, Pocs 12-13
Registered as EE(H) vide No 93-273
Subject to conditions in enclosed memo
No 273/12-13 Dt: 18/01/13

JE/AE

mchr
E.E(H.)

Name of Work :- Reconstruction of Culvert at Ward- 18.